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1163 ***Nicolas Pasqual, Maighréad Gallagher, Catherine Aude-Garcia, Mélanie Loiodice, Florence Thuderoz, Jacques Demongeot, Rod Ceredig, Patrice Noël Marche, and Evelyne Jouvin-Marche.*** Quantitative and qualitative changes in V-J α rearrangements during mouse thymocytes differentiation: implication for a limited T cell receptor α chain repertoire

1175 ***Sylvie Lesage, Suzanne B. Hartley, Srinivas Akkaraju, Judith Wilson, Michelle Townsend, and Christopher C. Goodnow.*** Failure to censor forbidden clones of CD4 T cells in autoimmune diabetes

1189 ***Robert A. Barrington, Olga Pozdnyakova, Mohammad R. Zafari, Christopher D. Benjamin, and Michael C. Carroll.*** B lymphocyte memory: role of stromal cell complement and FcγRIIB receptors

1201 ***John Dangerfield, Karen Y. Larbi, Miao-Tzu Huang, Ann Dewar, and Sussan Nourshargh.*** PECAM-1 (CD31) homophilic interaction up-regulates $\alpha_6\beta_1$ on transmigrated neutrophils in vivo and plays a functional role in the ability of α_6 integrins to mediate leukocyte migration through the perivascular basement membrane

1213 ***Makoto Kamachi, Truc M. Le, Susan J. Kim, Meghan E. Geiger, Paul Anderson, and Paul J. Utz.*** Human autoimmune sera as molecular probes for the identification of an autoantigen kinase signaling pathway

1227 ***Maike Schwieger, Jürgen Löhler, Jutta Friel, Marina Scheller, Ivan Horak, and Carol Stocking.*** AML1-ETO inhibits maturation of multiple lymphohematopoietic lineages and induces myeloblast transformation in synergy with ICSBP deficiency

1241 ***Bruno Kilunga Kubata, Zakayi Kabututu, Tomoyoshi Nozaki, Craig J. Munday, Shunichi Fukuzumi, Kei Ohkubo, Michael Lazarus, Toshihiko Maruyama, Samuel K. Martin, Michael Duszenko, and Yoshihiro Urade.*** A key role for old yellow enzyme in the metabolism of drugs by *Trypanosoma cruzi*

1253 ***Julio Aliberti, Charles Serhan, and Alan Sher.*** Parasite-induced lipoxin A_4 is an endogenous regulator of IL-12 production and immunopathology in *Toxoplasma gondii* infection

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1263 ***Edda Fiebiger, René Maehr, José Villadangos, Ekkehard Weber, Ann Erickson, Elizabeth Bikoff, Hidde L. Ploegh, and Ana-Maria Lennon-Duménil.*** Invariant chain controls the activity of extracellular cathepsin L

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1271 ***P.G. Holt and P.D. Sly.*** Interactions between RSV infection, asthma, and atopy: unraveling the complexities

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1277 ***Ryohei F. Tsuji, Marian Szczepanik, Ivana Kawikova, Vipin Paliwal, Regis A. Campos, Atsuko Itakura, Moe Akahira-Azuma, Nicole Baumgarth, Leonore A. Herzenberg, and Philip W. Askenase.*** B cell–dependent T cell responses: IgM antibodies are required to elicit contact sensitivity

1291 ***Niklas Feldhahn, Ines Schwering, Sanggyu Lee, Maria Wartenberg, Florian Klein, Hui Wang, Guolin Zhou, San Ming Wang, Janet D. Rowley, Jürgen Hescheler, Martin Krönke, Klaus Rajewsky, Ralf Küppers, and Markus Müschen.*** Silencing of B cell receptor signals in human naive B cells

1307 ***Meredith O'Keeffe, Hubertus Hochrein, David Vremec, Irina Caminschi, Joanna L. Miller, E. Margot Anders, Li Wu, Mireille H. Lahoud, Sandrine Henri, Bernadette Scott, Paul Hertzog, Lilliana Tatarczuch, and Ken Shortman.*** Mouse plasmacytoid cells: long-lived cells, heterogeneous in surface phenotype and function, that differentiate into $CD8^+$ dendritic cells only after microbial stimulus

1321 ***Kanji Minamoto and David J. Pinsky.*** Recipient iNOS but not eNOS deficiency reduces luminal narrowing in tracheal allografts

1335 ***Megan K. Levings, Romina Sangregorio, Claudia Sartirana, Anna Lisa Moschin, Manuela Battaglia, Paul C. Orban, and Maria-Grazia Roncarolo.*** Human $CD25^+CD4^+$ T suppressor cell clones produce transforming growth factor β, but not interleukin 10, and are distinct from type 1 T regulatory cells

1347 ***Andrea Kolbus, Sandra Pilat, Zvenyslava Husak, Eva Maria Deiner, Gabriele Stengl, Hartmut Beug, and Manuela Baccarini.*** Raf-1 antagonizes erythroid differentiation by restraining caspase activation

1355 ***Sandra M. Hayes, Karen Laky, Dalal El-Khoury, Dietmar J. Kappes, B.J. Fowlkes, and Paul E. Love.*** Activation-induced modification in the CD3 complex of the γδ T cell receptor

1363 ***Emilio Flaño, In-Jeong Kim, David L. Woodland, and Marcia A. Blackman.*** γ-Herpesvirus latency is preferentially maintained in splenic germinal center and memory B cells

1373 ***Marie-Claude Guillemin, Emmanuel Raffoux, Dominique Vitoux, Scott Kogan, Hassane Soilihi, Valérie Lallemand-Breitenbach, Jun Zhu, Anne Janin, Marie-Thérèse Daniel, Bernard Gourmel, Laurent Degos, Hervé Dombret, Michel Lanotte, and Hugues de Thé.*** In vivo activation of cAMP signaling induces growth arrest and differentiation in acute promyelocytic leukemia

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1381 ***Fiona J. Culley, Joanne Pollott, and Peter J.M. Openshaw.*** Age at first viral infection determines the pattern of T cell–mediated disease during reinfection in adulthood

1387 ***Ute M. Liegibel, Ulrike Sommer, Pascal Tomakidi, Ulrike Hilscher, Loes van den Heuvel, Rainer Pirzer, Joachim Hillmeier, Peter Nawroth, and Christian Kasperk.*** Concerted action of androgens and mechanical strain shifts bone metabolism from high turnover into an osteoanabolic mode

1393 ***Loc T. Nguyen, Suresh Radhakrishnan, Bogoljub Ciric, Koji Tamada, Tahiro Shin, Drew M. Pardoll, Lieping Chen, Moses Rodriguez, and Larry R. Pease.*** Cross-linking the B7 family molecule B7-DC directly activates immune functions of dendritic cells

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1399 ***Eric O. Long and Sumati Rajagopalan.*** Stress signals activate natural killer cells

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1403 ***Jakob Michaëlsson, Cristina Teixeira de Matos, Adnane Achour, Lewis L. Lanier, Klas Kärre, and Kalle Söderström.*** A signal peptide derived from hsp60 binds HLA-E and interferes with CD94/NKG2A recognition

1415 ***Giovanna Schiavoni, Fabrizio Mattei, Paola Sestili, Paola Borghi, Massimo Venditti, Herbert C. Morse III, Filippo Belardelli, and Lucia Gabriele.*** ICSBP is essential for the development of mouse type I interferon-producing cells and for the generation and activation of $CD8\alpha^+$ dendritic cells

1427 ***Richard C. Allsopp, Samuel Cheshier, and Irving L. Weissman.*** Telomerase activation and rejuvenation of telomere length in stimulated T cells derived from serially transplanted hematopoietic stem cells

1435 ***Anda M. Vlad, Stefan Muller, Mare Cudic, Hans Paulsen, Laszlo Otvos, Jr., Franz-Georg Hanisch, and Olivera J. Finn.*** Complex carbohydrates are not removed during processing of glycoproteins by dendritic cells: processing of tumor antigen MUC1 glycopeptides for presentation to major histocompatibility complex class II–restricted T cells

1447 ***Julie C. Baker-LePain, Marcella Sarzotti, Timothy A. Fields, Chuan-Yuan Li, and Christopher V. Nicchitta.*** GRP94 (gp96) and GRP94 *N*-terminal geldanamycin binding domain elicit tissue nonrestricted tumor suppression

1461 ***Ethan P. Grant, Dominic Picarella, Timothy Burwell, Tracy Delaney, Alisa Croci, Nicole Avitahl, Alison A. Humbles, Jose-Carlos Gutierrez-Ramos, Michael Briskin, Craig Gerard, and Anthony J. Coyle.*** Essential role for the C5a receptor in regulating the effector phase of synovial infiltration and joint destruction in experimental arthritis

1473 ***Amy S. Heinzel, Jeff E. Grotzke, Rebecca A. Lines, Deborah A. Lewinsohn, Andria L. McNabb, Daniel N. Streblow, Veronique M. Braud, Heather J. Grieser, John T. Belisle, and David M. Lewinsohn.*** HLA-E–dependent presentation of Mtb-derived antigen to human $CD8^+$ T cells

1483 ***Gayle C. Bosma, Jiyoon Kim, Teresa Urich, Donna M. Fath, Maria G. Cotticelli, Norman R. Ruetsch, Marko Z. Radic, and Melvin J. Bosma.*** DNA-dependent protein kinase activity is not required for immunoglobulin class switching

1497 ***Janice A. Nagy, Eliza Vasile, Dian Feng, Christian Sundberg, Lawrence F. Brown, Michael J. Detmar, Joel A. Lawitts, Laura Benjamin, Xiaolian Tan, Eleanor J. Manseau, Ann M. Dvorak, and Harold F. Dvorak.*** Vascular permeability factor/vascular endothelial growth factor induces lymphangiogenesis as well as angiogenesis

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1507 ***Ulrich E. Schaible, Helen L. Collins, Friedrich Priem, and Stefan H.E. Kaufmann.*** Correction of the iron overload defect in β-2-microglobulin knockout mice by lactoferrin abolishes their increased susceptibility to tuberculosis

1515 ***Geoffrey John Bellingan, Ping Xu, Helen Cooksley, Helen Cauldwell, Anthony Shock, Stephen Bottoms, Christopher Haslett, Steven Eugene Mutsaers, and Geoffrey John Laurent.*** Adhesion molecule–dependent mechanisms regulate the rate of macrophage clearance during the resolution of peritoneal inflammation

1523 ***D.C. Ghislaine Mayer, Jian-Bing Mu, Xiaorong Feng, Xin-zhuan Su, and Louis H. Miller.*** Polymorphism in a *Plasmodium falciparum* erythrocyte-binding ligand changes its receptor specificity

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1529 ***Helen Y. Chen and Ajit Varki.*** O-acetylation of GD3: an enigmatic modification regulating apoptosis?

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1535 ***Florence Malisan, Luigi Franchi, Barbara Tomassini, Natascia Ventura, Ivano Condò, Maria Rita Rippo, Alessandra Rufini, Laura Liberati, Claudia Nachtigall, Bernhard Kniep, and Roberto Testi.*** Acetylation suppresses the proapoptotic activity of GD3 ganglioside

1543 ***Yijin Li, Hui Li, Dongyao Ni, and Martin Weigert.*** Anti–DNA B cells in MRL/lpr mice show altered differentiation and editing pattern

1553 ***Inna Verbovetski, Hila Bychkov, Uriel Trahtemberg, Itzhak Shapira, Mara Hareuveni, Ofira Ben-Tal, Ina Kutikov, Oranit Gill, and Dror Mevorach.*** Opsonization of apoptotic cells by autologous iC3b facilitates clearance by immature dendritic cells, down-regulates DR and CD86, and up-regulates CC chemokine receptor 7

1563 ***Dimitris Kontoyiannis, George Boulougouris, Menelaos Manoloukos, Maria Armaka, Maria Apostolaki, Theresa Pizarro, Alexey Kotlyarov, Irmgard Forster, Richard Flavell, Matthias Gaestel, Philip Tsichlis, Fabio Cominelli, and George Kollias.*** Genetic dissection of the cellular pathways and signaling mechanisms in modeled tumor necrosis factor–induced Crohn's-like inflammatory bowel disease

1575 ***David S. Leslie, Michael S. Vincent, Franca M. Spada, Hiranmoy Das, Masahiko Sugita, Craig T. Morita, and Michael B. Brenner.*** CD1-mediated γ/δ T cell maturation of dendritic cells

1585 ***Mischo Kursar, Kerstin Bonhagen, Joachim Fensterle, Anne Köhler, Robert Hurwitz, Thomas Kamradt, Stefan H.E. Kaufmann, and Hans-Willi Mittrücker.*** Regulatory $CD4^+CD25^+$ T cells restrict memory $CD8^+$ T cell responses

1593 ***Margaret L. Hibbs, Kenneth W. Harder, Jane Armes, Nicole Kountouri, Cathy Quilici, Franca Casagranda, Ashley R. Dunn, and David M. Tarlinton.*** Sustained activation of Lyn tyrosine kinase in vivo leads to autoimmunity

1605 ***Christian Stehlik, Loredana Fiorentino, Andrea Dorfleutner, Jean-Marie Bruey, Eugenia M. Ariza, Junji Sagara, and John C. Reed.*** The PAAD/PYRIN-family protein ASC is a dual regulator of a conserved step in nuclear factor κB activation pathways

1617 ***Tomáš Brdička, Martin Imrich, Pavla Angelisová, Naděžda Brdičková, Ondrej Horváth, Jiří Špička, Ivan Hilgert, Petra Lusková, Petr Dráber, Petr Novák, Niklas Engels, Jürgen Wienands, Luca Simeoni, Jan Österreicher, Enrique Aguado, Marie Malissen, Burkhart Schraven, and Václav Hořejší.*** Non–T cell activation linker (NTAL): a transmembrane adaptor protein involved in immunoreceptor signaling

1627 ***Laura Bonifaz, David Bonnyay, Karsten Mahnke, Miguel Rivera, Michel C. Nussenzweig, and Ralph M. Steinman.*** Efficient targeting of protein antigen to the dendritic cell receptor DEC-205 in the steady state leads to antigen presentation on major histocompatibility complex class I products and peripheral $CD8^+$ T cell tolerance

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1639 ***Caigan Du, Song-Yi Yao, Åsa Ljunggren-Rose, and Subramaniam Sriram.*** *Chlamydia pneumoniae* infection of the central nervous system worsens experimental allergic encephalitis

1645 ***Stephanie C. Eisenbarth, Damani A. Piggott, James W. Huleatt, Irene Visintin, Christina A. Herrick, and Kim Bottomly.*** Lipopolysaccharide-enhanced, toll-like receptor 4–dependent T helper cell type 2 responses to inhaled antigen

1653 ***Correction***